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Reviewed: September 21, 2005

## Material Safety Data Sheet

### IDENTITY

Chemical Name: Organic Amid plus Ethoxilated Aromatics  
Common Name: Cavi-Clean Detergent  
Chemical Family: Organic Chemical Compound  
Manufacturer: Molecular Products  
3710 Fruitland  
Maywood, CA. 90270

Information Phone #: (323) 583-0989

### INGREDIENTS

Chemical Names	CAS #'s	%
Tap Water	N/AP	75.5
Dodecylbenzene Sulfonic Acid	27176-87-0	>1.0
Triethanolamine	102-71-6	>1.0
Nonyl Phenol Ethoxylate	9016-45-9	>1.0
Coco Diethanol Amide	61789-19-3	>1.0
Tetrasodium Ethylenediamide Tetracetate	64-02-8	>1.0
Monoethanolamine	141-43-5	<1.0

### PHYSICAL AND CHEMICAL CHARACTERISTICS

CAVI-CLEAN: Clear light amber viscous liquid with mild amide soap odor.  
VISCOSITY: 200 - 400 cps / 68° F  
BOILING POINT (° F): >300° F (based on TEA)  
SPECIFIC GRAVITY (water=1): 1.023 @ 68° F  
VAPOR PRESSURE AT 20° C: 10mm Hg @ 205 (based on TEA)  
WATER SOLUBILITY: Soluble

### FIRE & EXPLOSION DATA

FLASH POINT N/AP Test Method - N/AP  
AUTOIGNITION TEMP N/AP  
FLAMMABLE LIMITS IN AIR N/AP  
EXTINGUISHING MEDIA Any suitable to surrounding materials  
UNUSUAL FIRE & EXPLOSION HAZARDS none

## HAZARDOUS REACTIVITY

stable

## HAZARDOUS THERMAL DECOMPOSITION PRODUCTS

Hazardous Polymerization                      None

## TARGET ORGANS

Eyes, Skin, Gastro-intestinal

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Dermatitis, conjunctivitis

## ROUTES OF ENTRY (EXPOSURE) AND EFFECT.

Entry routes	Eyes or skin contact.
Eyes	eye contact causes irritation; prolonged contact may lead to conjunctivitis.
Skin contact	prolonged contact may cause drying and dermatitis.
Entry Routes	ingestion and inhalation.
Ingestion	may cause nausea and vomiting.
Inhalation	highly unlikely in liquid form.

## REPRODUCTIVE HAZARDS

None Known.

## CARCINOGEN INFORMATION

None of the ingredients are listed carcinogens by the National Toxicology Program, IARC or OSHA.

## EXPOSURE LIMITS

OSHA (PEL) Permissible Exposure Limit	None Listed
ACGIH (TLV) Threshold Limit Value	None Listed
OTHER LIMITS	None Listed

## FIRST AID PROCEDURES

***Any unusual side effects should be reported to a physician.***

EYE: Flush with copious amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains.

SKIN: Flush with copious amounts of water until no evidence of chemical remains.

INGESTION: May cause nausea or vomiting. Dilute by giving water or milk immediately and allow vomiting to occur. Get medical attention immediately.

## SPECIAL PROTECTION INFORMATION

### *Personal Protective Equipment*

Respirator Protection	Not needed in area with normal ventilation.
Gloves	Plastic or rubber gloves for prolonged contact.
Eye Protection	Goggles recommended.
Other	None required.

**HANDLING AND STORAGE**

Do not get in eyes, on skin, or on clothing.  
Wash thoroughly after handling. Keep containers closed.  
Store at ambient temperature. Avoid exposure to light.

**LEAK OR SPILL PROCEDURE**

Stop the leak. Exposed surfaces are slippery. Wash away with water, or take up with sand or sweeping compound and place into suitable containers for later disposal.  
AQUATIC TOXICITY                      relatively low

**WASTE DISPOSAL PROCEDURE**

Dispense of product and materials used in cleaning up spills or leaks in a manner approved for this material.

**SHIPPING PROCEDURE**

DOT Name / Classifications:      None

**REFERENCES AND OTHER INFORMATION**

1. Texaco MSDS for Triethanolamine dated 10/17/78 by F.E. Bently.
2. Occupational Health Services, Inc. MSDS for TEA, Rev. 12/4/85 by John S. Bransford.
3. Occupational Health Services, Inc. MSDS for MEA, Rev. 3/16/86 by John S. Bransford.
4. Lonza Product Safety sheet for CAROSULF UL -100 of 3/22/86 by Dr. Henry E. Reich.
5. Occupational Health Services, Inc. MSDS for EDTA (Chelon 100), by John S. Bransford.
6. Lonza MSDS for Coco Diethanol Amide of 6/16/86.
7. Lonza MSDS for Nonyl phenol Ethoxylate of 12/20/85.

Approved by:  \_\_\_\_\_  
Robert E. Fleming / Director OF QA/RA

September 21, 2005  
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Date